



Weather Radio Improvement Project (WRIP)

Phase 2 - Development and Deployment

WRIP/DHS/FEMA Meeting

Bobby Martinez, PMP
NOAA/NWS/OST

Ronald Vaillant, COTR
NOAA/NWS/OOS

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Introduction



WRIP will:

1. Replace NOAA Weather Radio (NWR) Console Replacement System (CRS)
2. Consolidate existing NWR and NOAA Weather Wire Service (NWWWS) networks into a single communication infrastructure
3. Provide Department of Homeland Security (DHS)/Federal Emergency Management Administration (FEMA) access to NWR transmitter stations for dissemination of voice alerts



Phase 1



- WRIP Phase I: Detailed Design and Prototype
Completed November 2008

Phase 1 Milestone	Completion Date
Contract Award for WRIP “Phase I” – Detailed Design and Prototype	September 2007
Detailed design completed, coordinated with full IWT through PDRs, CDRs, final design reviews	June 2008
Development of WRIP prototype demonstration system	October 2008
Prototype demonstration to NWS, DHS/FEMA stakeholders <i>***Demonstration was extremely well received by NWS senior management and DHS/FEMA stakeholders</i>	November 2008



Phase II - Objectives



➤ Phase II: Develop & Deploy WRIP System

- ❖ NWWWS technology refresh by end of FY11
- ❖ CRS replacement by end of FY12
- ❖ Consolidation of NWR and NWWWS infrastructure
- ❖ Automated DHS/FEMA interface to NWR transmitters
- ❖ Implementation of a flexible, scalable, centralized infrastructure that can enable additional dissemination services to commercial users (wireless service providers, PDAs, cell phones, mobile systems, etc)
- ❖ Implements key components of Dissemination Master Plan (DMP)



Phase II - Status



- WRIP Integrated Work Team (IWT) currently developing Phase II - Development and Deployment Request For Proposal (RFP). Anticipate RFP release April 09 and contract award September 09.
- WRIP Phase II will deploy TTD-DAC functionality at individual WFO(s). Installation of digital communications to the transmitters will be deferred as part of a Phase 3 effort. In the interim, Phase 2 will continue to use the current leased lines going out to the transmitters.

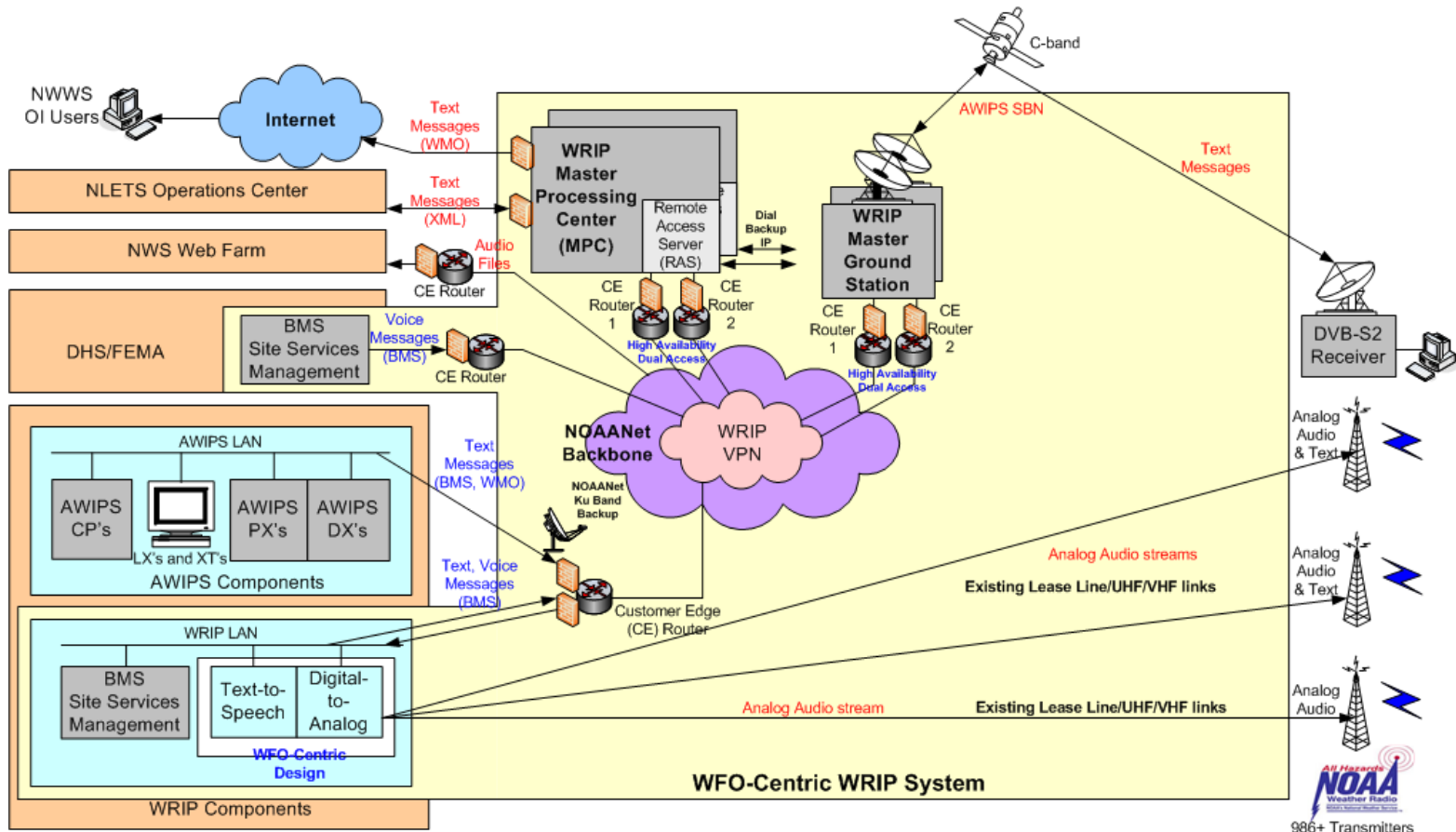


Milestones Synopsis



- FY09
 - ❖ Develop WRIP system based on Phase I design
 - ❖ Begin deployment of Master Processing Centers (MPCs)
 - ❖ Milestones complete by end FY10
- FY10
 - ❖ Complete MPC and Master Ground Stations (MGS) deployment
 - ❖ Begin deployment of CRS replacements to Weather Forecast Offices (WFO's)
 - ❖ Milestones complete by end FY11
- FY11
 - ❖ Complete CRS replacement at Weather Forecast Offices (WFO's)
 - ❖ Milestones complete by end FY12

WRIP Architecture





Acquisition Strategy



- Full and open competition, best value basis (cost alone is not the deciding factor).
- 3 year Firm Fixed Price contract. Option years may be exercised for O&M support.
- WRIP Phase I designs and prototype provided as Government Furnished Equipment (GFE).
- Offerors evaluated on technical, management and cost merits.



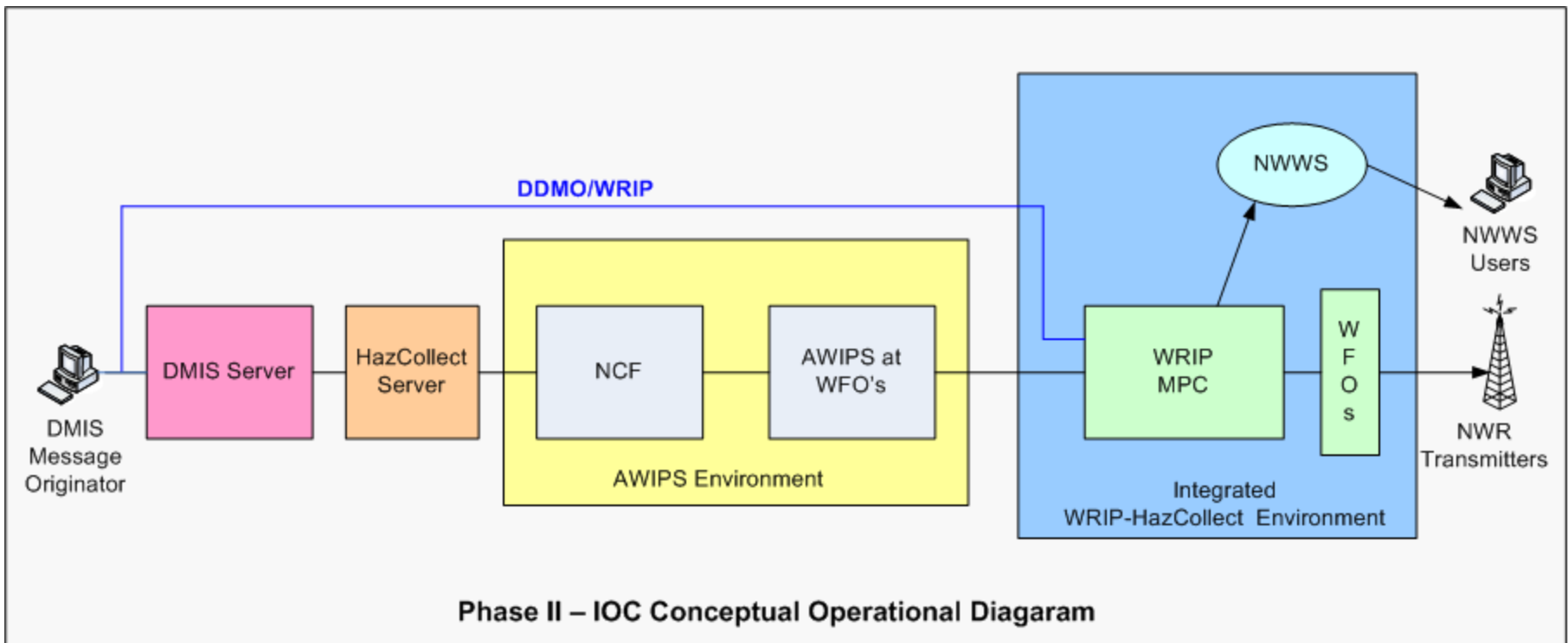
DHS/FEMA Topics



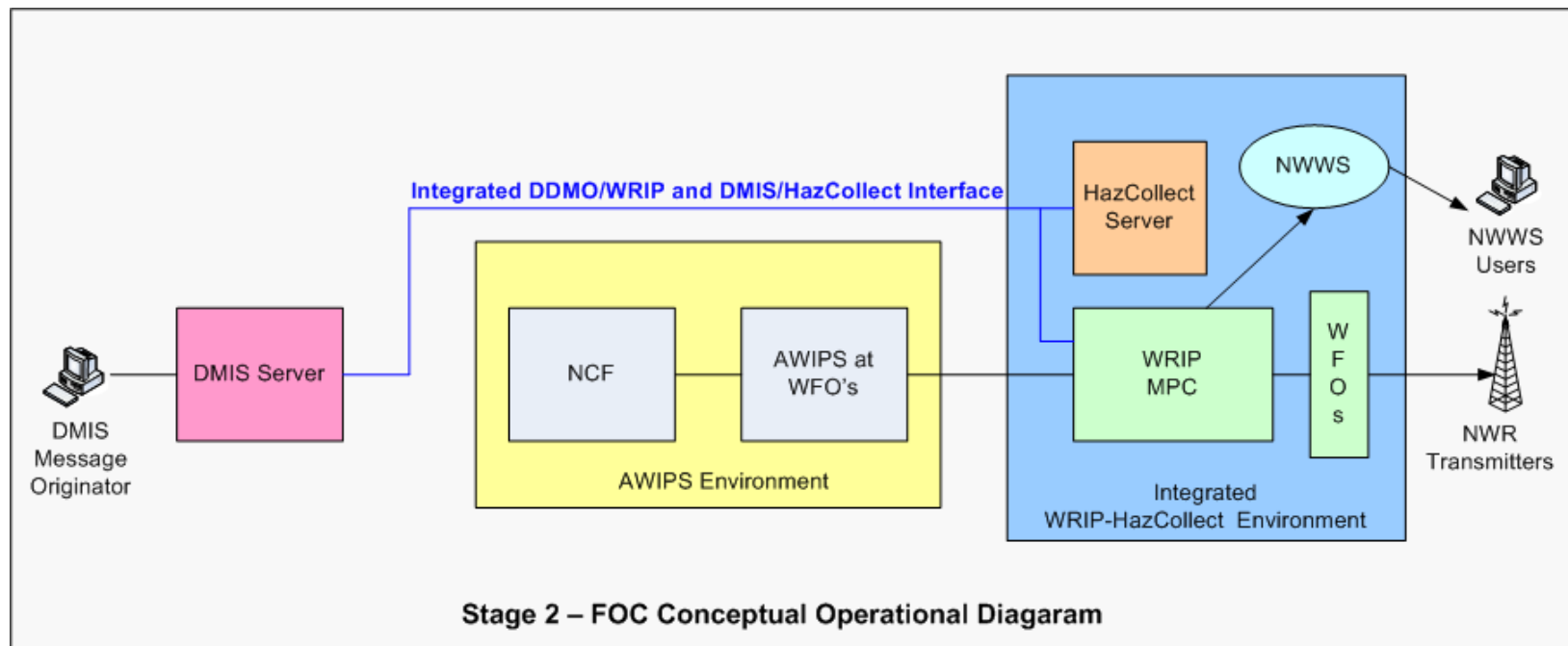
- IPAWS Requirements for NOAA
- AOAA Alert Dissemination
- WRIP-DHS-ICD
- Integrate with HAZCOLLECT GUI
- Coordinate ICD Development
- Interface Testing



WRIP/DHS Interface - IOC



WRIP/DHS Interface - FOC





Questions?

